

CHANGE ORDER # 2

FAA PROJECT # 3-20-0088-48

CHANGE ORDER

No. 2 (FINAL).

Dated 12 July 2006.

Owner's Project No. 3-20-0088-48

Engineer's Project No. 70-03313-003

Project: Reconstruction of Taxiways A, A1 and North General Aviation Apron Taxilane

Owner: The Wichita Airport Authority

Contractor Cornejo & Sons, Inc.

Contract Date 13 July 2004

Contract For Construction of grading, drainage, paving, lighting, signing improvements, and airfield lighting system standby generator for the Reconstruction of Taxiways A, A1 and North General Aviation Apron Taxilane at Wichita Mid-Continent Airport

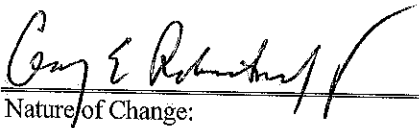
To: Cornejo & Sons, Inc., Contractor

You are directed to make the changes noted below in the subject contract:

By Direction of the Wichita Airport Authority

Carlos Mayans, President

Date: _____


Nature of Change:

- [ITEM 1] Removal of the Separator Vault with Pit at Sta. ~28+62 135' Rt. and the Valve Vault at Sta. ~28+84 135' Rt.
- [ITEM 2] Alterations for the signing and pavement markings at Taxiway A1.
- [ITEM 3] Seeding modification for the Pueblo Road Contractors Staging Area outside the secure area.
- [ITEM 4] Seeding for the North Grading Area site (North of Taxiway M and west of the Runway 19L Extended Safety Area) where spoil soil was placed and graded.
- [ITEM 5] Adjustment for P501 PCC Pavement smoothness.
- [ITEM 6] Adjustment for P401 Bituminous Mix Mat Density and Voids PWLs.
- [ITEM 7] Adjust Bid Quantities to the final measured quantities.

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The changes result in the following adjustment of Contract Price and Contract Time:

3-20-0088-48 Contract Price Prior to This Change Order	\$	<u>5,369,153.59</u>
Non-FAA Participating Contract Price Prior to This Change Order	\$	<u>107,866.10</u>
Total Contract Price Prior to This Change Order	\$	<u>5,477,019.69</u>
3-20-0088-48 Net Decrease Resulting from This Change Order	\$	<u>35,003.64</u>
Non-FAA Participating Net Increase Resulting from This Change Order	\$	<u>(7,300.65)</u>
Total Net Increase Resulting from This Change Order	\$	<u>27,702.99</u>
Current 3-20-0088-48 Contract Price Including This Change Order	\$	<u>5,404,157.23</u>
Current Non-FAA Participating Contract Price Including This Change Order	\$	<u>100,565.45</u>
Current Total Contract Price Including This Change Order	\$	<u>5,504,722.68</u>
Phase I Contract Time Prior to This Change Order	<u>75</u>	Calendar Days
Phase I Net Increase Resulting From This Change Order	<u>0</u>	Calendar Days
Phase I Current Contract Time Including This Change Order	<u>75</u>	Calendar Days
Phase II Contract Time Prior to This Change Order	<u>245</u>	Calendar Days
Phase II Net Increase Resulting From This Change Order	<u>0</u>	Calendar Days
Phase II Current Contract Time Including This Change Order	<u>245</u>	Calendar Days
Permanent Seeding Contract Time Prior to This Change Order	<u>14</u>	Calendar Days
Permanent Seeding Net Increase Resulting From This Change Order	<u>00</u>	Calendar Days
Permanent Seeding Current Contract Time Including This Change Order	<u>14</u>	Calendar Days

The Above Changes Are Approved:

Professional Engineering Consultants, P.A.

By: 

Date: 13 JULY 2006

The Above Changes Are Accepted:

Cornejo & Sons, Inc.
Contractor

By: 

Date: 7-12-06

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The following Change Order is a modification to the Project Plans and Specifications. The Change Order was prepared at the request of the Owner and was necessary for the following changes:

- [ITEM 1] Removal of the Separator Vault with Pit at Sta. ~28+62 135' Rt. and the Valve Vault at Sta. ~28+84 135' Rt. During construction it was discovered the vault and associated piping were not serving any useful function and its removal would eliminate routing the underdrain outfall pipe around it, producing a straight line and grade from the underdrain trench to the outfall structure.

BID ITEM	QTY	UNIT	COST	EXTENSION
10 Remove Storm Drain Structure	2	EA	@ \$400.00 =	\$ 800.00
11 Remove Drain Line (4" VCP)	61	EA	@ \$ 4.00 =	\$ 244.00
25 Underdrain ¹	-5	LF	@ \$ 18.50 =	(\$ 92.50)
26 Underdrain Outfall Pipe ¹	-9	LF	@ \$ 14.75 =	(\$ 132.75)
TOTALS				\$ 818.75

Note: ¹ Modified by Change Order No. 1

- [ITEM 2] Alterations for the signing and pavement markings at Taxiway A1. The pavement markings and a sign were modified to maintain wheelbase distances to the outer edge of the pavement, provide better visibility of the aids to pilots, and to install a non-movement line that was omitted on the original plans. The centerline pavement markings for Baseline #1 shall not go further east than the Taxiway A1 centerline. The Baseline #1 centerline marking will require a 60 foot radius for an east to south movement where it transitions into the Taxiway A1 centerline marking. The Non-Movement Line shall be placed ~154.43' up station (west) along the Taxiway A1 centerline extended from where it would cross the centerline of Taxiway A and would be a straight line from the north side of Taxiway A1 to the south side of Baseline #1, but would be skewed 22.5° to each of the Taxiway A1 and Baseline #1 centerlines. The ~154.43' feet was to set the skewed line to meet with the south radius PC of Baseline #1 at Sta. ~9+67.90 25' Rt. and line up just west of the current location of Sign #173. Sign #173 shall remain the planned location, however will be canted 45° to Taxiway A1, and perpendicular to Baseline #1. The pavement markings on the movement side of the line, including the non-movement line itself, shall have black border. Markings on the non-movement side will not have black border.

BID ITEM	QTY	UNIT	COST	EXTENSION
43 Pavement Painting ¹	480	SF	@ \$ 0.81 =	\$ 388.80
TOTALS				\$ 388.80

Note: ¹ Modified by Change Order No. 1

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[ITEM 3] The Owner requested the Pueblo Road Contractors Staging Area outside the secure area be seeded with fescue rather than buffalograss to match the existing grass stand adjacent the site. Item no. 38 Seeding (Temporary) was increased 2,080 LB to apply fescue at 8LB/MSF, Item no. 39 (Permanent) was decreased by 564 LB, and item no. 41 Fertilizer was increased 520 to apply 12-24-12 at 4LB/MSF to perform the seeding of the Pueblo Contractors Staging Area. This change results in a contract change of:

BID ITEM	QTY	UNIT	COST	EXTENSION
38 Seeding (Temporary) ¹	2,080	LB	@ \$ 3.00 =	\$ 6,240.00
39 Seeding (Permanent) ¹	-564	LB	@ \$ 10.00 =	(\$ 5,640.00)
41 Fertilizer ¹	520	LB	@ \$ 0.25 =	\$ 130.00

Note: ¹ Modified by Change Order No. 1

TOTALS **\$ 730.00**

[ITEM 4] The Owner requested that the North Grading Area site (North of Taxiway M and west of the Runway 19L Extended Safety Area) where excess soil was placed and graded be permanent seeded. This area was originally accounted for in the bid quantities. Item no. 30 Seeding (Permanent) was increased 510 LB to apply buffalograss at 2LBS/MSF, item no. 41 Fertilizer was increased 901LB to apply fertilizer at 4LB/MSF, and item no. 42 Mulching was increased 225 MSF to apply mulch for the North Grading Area where some of the excess soil was placed and graded north and west of Runway 19R. This change results in a contract change of:

BID ITEM	QTY	UNIT	COST	EXTENSION
39 Seeding (Permanent) ¹	511	LB	@ \$ 10.00 =	\$ 5,110.00
41 Fertilizer ¹	900	LB	@ \$ 0.25 =	\$ 225.00
42 Mulching ¹	225	MSF	@ \$ 3.40 =	\$ 765.00

Note: ¹ Modified by Change Order No. 1

TOTALS **\$ 6,100.00**

[ITEM 5] Adjustment of the payment to PCC pavements for smoothness. The modifications affected the following bid items:

BID ITEM	PREVIOUS QTY UNIT	UNIT COST	FINAL QTY	QTY ADJUST	COST ADJUST
33 PCC Pavement (13" Plain) ¹	7,799 S.Y.	\$ 40.00	7,734	-69	\$ (2,760.00)

Note: ¹ Modified by Change Order No. 1

GRANT NO. 3-20-0088-48 TOTALS **\$ (2,760.00)**

Attached is a summary of the profile smoothness analysis for pavements affected by pay factors adjustments.

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[ITEM 6] Adjustment of the payment to the Bituminous Mix for Mat Density results. On 10 November 2004, the PWL calculations resulted in a pay factor of 50% for 654.00 tons of material and on 30 March 2005 and 01 April 2005, the PWL calculations resulted in a pay factor of 86.256% for 758.16 tons of material or 623.63 tons for pay. The PWL calculations for the remaining eligible P401 Bituminous Mix were 106% for 343.58 tons or 361.54 tons for pay. There was 362.30 tons of P401 accepted as theoretical quantities for the transitions at Taxiways A2, A3, A4, A6, & A7. These compute to a total of a reduction 462 tons. Finally, there were 1208.57 tons of BM-2C materials placed on Access Roads and Haul Roads that were accepted at 100%. In accordance with P401 8.1 the eligible tons for consideration of pay factor adjustment (excluding the 50% lot) is 1,101.74 tons where the actual quantity after pay factor adjustments is 985.18 tons. The result is a final quantity of 2884 tons.

BID ITEM	PREVIOUS QTY UNIT	UNIT COST	FINAL QTY	QTY ADJUST	COST ADJUST
27 Plant Mix Bituminous Mixture ¹	2,833 TN	\$ 40.00	2,884	51	<u>\$ 2,040.00</u>
GRANT NO. 3-20-0088-48 TOTALS					\$ 2,040.00

Note: ¹ Modified by Change Order No. 1

Attached is a summary of the PWL analysis for mix affected by pay factors adjustments.

[ITEM 7] Final measured quantities:

Below are adjustments to the existing bid items affected by this alteration:

BID ITEM	QTY	UNIT	COST	EXTENSION
5 Unclassified Excavation ¹	-58	CY	@ \$ 5.10	= \$ (295.80)
6 Pvmnt Removal (13" PCC/3" AC/12" PCC)	-124	SY	@ \$ 6.55	= \$ (812.20)
8 Pavement Removal (6"-9" RPCC) ¹	-317	SY	@ \$ 4.00	= \$ (1,268.00)
9 Bituminous Milling (2" Nominal) ¹	615	SY	@ \$ 1.75	= \$ 1,076.25
10 Remove Storm Drain Structure	2	EA	@ \$ 400.00	= \$ 800.00
11 Remove Drain Line (4" V CP)	46	EA	@ \$ 4.00	= \$ 184.00
19 RCP Storm Drain (15")	-8	LF	@ \$ 30.00	= \$ (240.00)
20 RCP Storm Drain (18")	-31	LF	@ \$ 35.00	= \$ (1,085.00)
22 Hydrated Lime ¹	41	TN	@ \$ 170.00	= \$ 6,970.00
23 Lime Treated Subgrade ¹	-650	SY	@ \$ 2.75	= \$ (1,787.50)
24 Bituminous Material for Prime ¹	-812	GL	@ \$ 1.20	= \$ (974.40)
25 Underdrain ¹	-4	LF	@ \$ 18.50	= \$ (74.00)
26 Underdrain Outfall Pipe ¹	-18	LF	@ \$ 14.75	= \$ (265.50)
27 Plant Mix Bituminous Mixture ¹	51	TN	@ \$ 40.00	= \$ 2,040.00
28A Bituminous Treated Drainage Layer(4")	778	SY	@ \$ 9.75	= \$ 7,585.50
29 PCC Pavement (8" Plain)	356	SY	@ \$ 40.00	= \$ 14,240.00
30 PCC Pavement (8" Reinforced)	-340	SY	@ \$ 40.25	= \$ (13,685.00)
31 PCC Pavement (11" Plain) ¹	368	SY	@ \$ 45.00	= \$ 16,560.00

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32	PCC Pavement (11" Reinforced)	-439	SY	@ \$	49.00	=	\$ (21,511.00)
33	PCC Pavement (13" Plain)	-65	SY	@ \$	40.00	=	\$ (2,600.00)
34	PCC Pavement (13" Reinforced)	1	SY	@ \$	50.00	=	\$ 50.00
35	PCC Pavement (15" Plain)	-1,576	SY	@ \$	43.00	=	\$ (67,768.00)
36	PCC Pavement (15" Reinforced)	1,636	SY	@ \$	54.00	=	\$ 88,344.00
37	Shoulder Earth Portion ¹	-1	STA	@ \$	340.00	=	\$ (340.00)
38	Seeding (Temporary) ¹	1,489	LB	@ \$	3.00	=	\$ 4,467.00
39	Seeding (Permanent) ¹	313	LB	@ \$	10.00	=	\$ 3,130.00
40	Sodding ¹	1,215	SY	@ \$	4.60	=	\$ 5,589.00
41	Fertilizer ¹	1,210	LB	@ \$	0.25	=	\$ 302.50
42	Mulching ¹	-296	MSF	@ \$	3.40	=	\$ (1,006.40)
43	Pavement Painting ¹	-1,421	SF	@ \$	0.81	=	\$ (1,151.01)
E2	#6 1/C 5KV Primary Cable (In PVC)	-946	LF	@ \$	0.75	=	\$ (709.50)
E3	#8 1/C 5KV Primary Cable (In PVC)	1,533	LF	@ \$	0.55	=	\$ 843.15
E4	Bare Counterpoise (Above Conduit)	802	LF	@ \$	0.35	=	\$ 280.70
E5	Conduit Trench & Backfill in Soil (28")	-563	LF	@ \$	1.35	=	\$ (760.05)
E6	2" PVC Conduit	-2,242	LF	@ \$	0.55	=	\$ (1,233.10)
E7	2" Conduit 4-Way Duct Bank	-136	LF	@ \$	15.00	=	\$ (2,040.00)
E8	Handhole	1	EA	@ \$	3,498.00	=	\$ 3,498.00
E9	Duct, Raceway, Cable, & Splice Marker	-16	EA	@ \$	75.00	=	\$ (1,200.00)
E10	TW Edge Light, Base Mounted (TA1)	-5	EA	@ \$	614.00	=	\$ (3,070.00)
E11	3/4" x 10'-0" Ground Rod	26	EA	@ \$	65.00	=	\$ 1,690.00
E13	Replace Exist. w/ LED, in Exist Base	3	EA	@ \$	410.00	=	\$ 1,230.00
GRANT NO. 3-20-0088-48 TOTALS							\$ 35,003.64

40a	Sodding	-1,584	SY	@ \$	4.60	=	\$ (7,286.40)
41a	Fertilizer	-57	LB	@ \$	0.25	=	\$ (14.25)

FAA NON-PARTICIPATING TOTALS **\$ (7,300.65)**

Note: ¹ Modified by Change Order No. 1

CHANGE ORDER NO 2 GRAND TOTALS **\$ 27,702.99**

There is no change to contract time as a result of this change order.